

### **EXAMINER'S AMENDMENT**

The examiner contacted applicant's representative on 6/14/11 and outlined the few remaining issues in this case; on 6/15/11, applicant's representative proposed changes to the claims that would place them into condition for allowance, pending applicant's approval. On 6/17/11, applicant approved the changes, and the examiner agreed to make the necessary amendments.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ryan Chirnomas on 6/17/11.

The application has been amended as follows. These changes are made relative to the claim listing submitted by applicant on 4/6/11.

Replace claim 1 in its entirety with the following:

- - - 1. A method of cultivating multipotent stem cells, comprising:

(a) cultivating multipotent stem cells sealed in a first cultivating container while rotating said multipotent stem cells about at least two orthogonal axes, thereby suppressing differentiation of said multipotent stem cells to obtain cultivated multipotent stem cells; and then

(b) cultivating said cultivated multipotent stem cells sealed in a second cultivating container while applying at least a centrifugal force by rotating said cultivated

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multipotent stem cells about one axis, thereby inducing differentiation of said cultivated multipotent stem cells. - - -

Replace claim 9 in its entirety with the following:

- - - 9. The method of cultivating multipotent stem cells according to claim 1, wherein said first cultivating container and said second cultivating container are the same container. - - -

Replace claim 19 in its entirety with the following:

- - - 19. A cultivating system of multipotent stem cells, comprising:

first means for cultivating multipotent stem cells while rotating said multipotent stem cells about at least two orthogonal axes; and

second means for cultivating the cultivated multipotent stem cells while applying at least a centrifugal force by rotating the cultivated multipotent stem cells about one axis,

wherein said first means and said second means are the same, and

wherein a cultivating container is attached to an end portion of an inner frame of said first and second means. - - -

In claim 27, line 2, replace "common" with - - - single - - -.

In claim 28, line 5, replace "a" with - - - said - - -.

In claim 29, line 3, replace "a" with - - - said - - -.

In claim 30, line 5, replace "a" with - - - said second - - -.

Replace claim 31 in its entirety with the following:

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- - - 31. The method of cultivating multipotent stem cells according to claim 1, wherein said first cultivating container and said second cultivating container are different. - - -

In claim 32, line 2, replace "a common" with - - - the same - - -.

Replace claim 35 in its entirety with the following:

- - - 35. A cultivating system of multipotent stem cells, comprising:  
first means for cultivating multipotent stem cells while rotating said multipotent stem cells about at least two orthogonal axes; and  
second means for cultivating the cultivated multipotent stem cells while applying at least a centrifugal force by rotating the cultivated multipotent stem cells about one axis,  
wherein said first means and said second means are different. - - -

**Cancel claims 11-18. Claims 1, 8, 9, 19, 27-33, and 35 are allowable.**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lora E. Barnhart whose telephone number is (571)272-1928. The examiner can normally be reached on Monday-Thursday, 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue X. Liu can be reached on 571-272-5539. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Lora E Barnhart/  
Primary Examiner, Art Unit 1653

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